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25X1

AIR [redacted] TTT-59-694

08 SEP 1959 25X1

: Chief, [redacted] ILLEGIB

: Chief, [redacted]

- Operational
- [redacted] Circuit Implementation 25X1

REF : A. [redacted] 25X1
B.
C.

1. As indicated in reference A, Headquarters' planning is to enter the [redacted] into a limited operational phase. It is, however, regretted the impression was conveyed that this decision was arrived at without our first giving detailed study and due consideration to [redacted] objective analysis of the recent test program. 25X1 25X1

2. Considerable time has been spent by Headquarters' staffs concerned with the program in examining [redacted]'s summary and in making comparisons with data compiled at the [redacted] end. It has been found that many of [redacted]'s comments and recommendations are in close agreement with Headquarters' opinion on particular aspects of the system's technical and operational requirements. 25X1

3. Conclusions arrived at through the aforementioned study and evaluation of data indicates the system can successfully be operated on a limited traffic basis. Therefore, plans and procedures are currently being developed to activate the [redacted] link three days a week: Monday, Wednesday, and Friday from 1400Z to 1600Z. Operation of the system will be in an off-line condition to pass teletape traffic. The automatic on-line mode will not be included until further circuit and equipment experience has been gained. In establishing this schedule Headquarters has been guided by: 25X1

(a) The manufacturer's recommendation that [redacted] units be placed in operating status a minimum of eight hours a week to prevent possible deterioration of components. Six hours of operation plus a two hour warm-up period will adequately meet "hot time" requirements. 25X1

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(b) The hours of 1400Z to 1600Z will find both [redacted] on the day watch, thereby eliminating the need for after hours scheduling of personnel. 25X1 25X1

(c) There will be little, if any, propagation transition effect noted during selected hours of operation.

While scheduling totals six hours a week of unit operation, it is estimated that actual combined transmission times will not exceed one hour during any given three day period. With this transmission time in mind, it is felt that unauthorized frequencies can be utilized without fear of repercussion.

4. A propagation study for October, 1959 indicates that frequencies employed during the recent series of tests will be applicable for the circuits operational phase. These frequencies are: 25X1

[redacted]

5. In connection with the entire [redacted] KEYHOLE program, a review of the status and disposition of equipments on a world wide basis was deemed necessary. Resultant action of this review is as follows: 25X1 25X1

(a) The [redacted] receiving unit presently at [redacted] for refurbishing (replacing the magnetic tape recording system with a high speed reperforator) be, upon completion of its modification, transferred to [redacted] Estimated time of this transfer will be December, 1959. 25X1 25X1

(b) The receive unit presently located at [redacted] be returned to [redacted] for modification and then, along with a transmitter unit, be transferred to [redacted] 25X1 25X1 ILLEGIB

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(c) [redacted] will retain its transmitter unit in consideration of its capability to provide a means of communications in emergency conditions. 25X1

[redacted] 25X1

6. Headquarters appreciates that information contained in this dispatch is not "all inclusive", and does not provide a complete answer to reference C. However, as stated in reference A, a fully comprehensive letter is being prepared which will fully cover and outline operational plans for the [redacted] system. At this writing it is not possible to establish a specific date for circuit reactivation; it is, however, expected that operation will commence in early October, 1959. 25X1

[redacted] 25X1

(31 August 1959)

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ORIG: OC-T/CT/OR [redacted] (31 Aug 59) 25X1

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RELSD: [redacted] COORD: CT AUTH: [redacted] 25X1

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